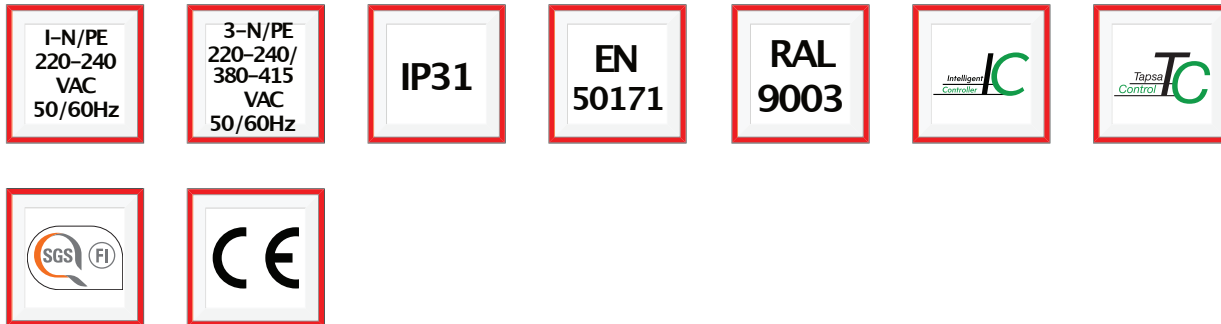


TKX75xxC

Central Battery System



SYSTEM DESCRIPTION:

Central battery units in the TKX75C series offer effective and space saving solutions for supplying a moderate quantity of luminaires. They are especially suited for mid-sized and large-sized premises where it is desirable to divide the central battery system into multiple independent regions.

The central unit input voltage is 230VAC except for the three phase input models (that end in letter F), the input voltage of which is 400VAC between the phases. The output voltage is 230VAC in normal mode and 216VDC in battery mode. The battery voltage is 216V which is achieved by connecting 18 blocks of 12 volt batteries in series.

In addition to the normal emergency lighting functions, central battery units in Teknoware TKX75C series makes it possible to test automatically the condition of the central unit itself and the luminaires connected to it. The testing of luminaires is

based on individual addresses and the communication is by means of the power supply cables. Thus there is no need for any separate data cabling between the luminaires. The luminaires must be of the Teknolux model number ending with the letter K or they must have a separate address module.

Utilisation of these luminaires also enables the connection of the maintained and non-maintained to the same circuit and allows local supply monitoring using Local Controller or Intelligent Controller which can also be used to control the non-maintained emergency luminaires.

These central units have, depending on the model, either 4, 8, 16 or 24 output circuits, which can be set to function as maintained or non maintained. A maximum of 32 addressable luminaires can be connected to one circuit. Circuits can also be connected in parallel to increase the output power with the following changeover modules outputs possible: 4x350VA, 2x700VA or 1x1400VA



FEATURE & BENEFITS

- Reliable solutions as each panel has dedicated batteries and operates independently.
- 4, 8, 16 or 24 output circuits
- Max. 32 luminaires per circuit
- Touchscreen Display
- 3 phase input option available
- Charger designed as per EN50171 standards for 80% recharge in 12 hours
- Panel tested & certified to EN50171 standard by SGS Fimko
- Less installation cost with no dataline required to luminaires
- Maintained, Non-maintained and Switch maintained can be connected on the same circuit
- All connected luminaires can be automatically searched and updated on the panel
- Electronics and batteries are in independent cabinets offering flexibility in installation, especially where space is a constraint.
- Electronics cabinet is compact and can be wall mounted.

TECHNICAL DATA

- Input voltage - 220-240VAC/ 380-415VAC
- Output voltage under normal conditions - 220-240VAC
- Output voltage in battery mode 216VDC
- Battery voltage of 216V is generated by 18 pieces of 12V batteries connected in series.

TKX75xxC Central Battery System

Product Code	Max Input Power (Mains)	Number of Circuits Outputs	Max Total Load			Nominal supply voltage
			Mains Operation	1Hr Battery Operation	3Hr Battery Operation	
TKX7504CFP	2515VA	4 x 350	1400 VA	1400 W	1400 W	3~ N/PE 220-240/380-415 VAC, 50/60 Hz
TKX7504CP	2515VA	4 x 350	1400 VA	1400 W	1400 W	1~ N/PE 220-240 VAC, 50/60 Hz
TKX7508CFP	3915VA	8 x 350	2800 VA	2800 W	2800 W	3~ N/PE 220-240/380-415 VAC, 50/60 Hz
TKX7516CFP	3695VA	8 x 350	2800 VA	2800 W	2800 W	1~ N/PE 220-240 VAC, 50/60 Hz
TKX7516CP	6715VA	16 x 350	5600 VA	5600 W	3340 W	3~ N/PE 220-240/380-415 VAC, 50/60 Hz
TKX7516CP	3695VA	16 x 350	5600 VA	5600 W	3340 W	1~ N/PE 220-240 VAC, 50/60 Hz
TKX7524CFP	9515VA	24 x 350	6000 VA	6000 W	3340 W	3~ N/PE 220-240/380-415 VAC, 50/60 Hz
TKX7524CP	3695VA	24 x 350	6000 VA	6000 W	3340 W	1~ N/PE 220-240 VAC, 50/60 Hz

TKX75xxC

Central Battery System

OPTIONAL FEATURES

Product Code	Product Description	For
TST7550	IC Interface for TKX 7 Series Panel	TKX7xx
TST7504	TERMINAL BLOCK 4-CIRCUITS	TKX75
TST7508	TERMINAL BLOCK 8-CIRCUITS	TKX75
TST7516	TERMINAL BLOCK 16-CIRCUITS	TKX75
TST7524	TERMINAL BLOCK 24-CIRCUITS	TKX75
Central Monitoring Options		
TST7531	Advanced Central Monitoring PC-system (ACM software) (excluding PC)	TKX7 series
TST7541	Advanced Central Monitoring PC-system (ACM software with BACnet) (excluding PC)	TKX7 series
TST7561	Web Advanced Central Monitoring (excluding PC)	TKX7 series
TST7581	Web Advanced Central Monitoring (excluding PC)	TKX7 series

DIMENSIONS

